

Floods Caused by Tropical Systems: Brandywine Creek at Wilmington

Latitude: 39.769

Period of Record: 1946-Present

Longitude: -75.573

Flood Stage: 16.5 ft

Last Flood: 2/25/2016

Number of Floods: 25

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
8/28/2011	18.71	16,800	Hurricane Irene brought heavy rains and flooding 26-28 August 2011. Area averaged rainfall from gauge and radar data indicated a broad swath of 3 to 10 inches with over 13" at a couple of spots.
10/1/2010	17.69	-9,999	Tropical mositure ahead of a north-south frontal boundary interacted with the remnants of tropical storm Nicole to produce heavy rainfall throughout the Mid-Atlantic. Rainfall amounts of 4"-5" were common, with locally heavier amounts of up to 10".
9/8/2011	16.70	12,900	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.
10/30/2012	16.70	9,550	Hurricane Sandy moved across NJ through PA producing 3 to 7 inches of rain with locally higher amounts in areas that saw flooding. The hurricane rapidly lost its tropical characteristics as it moved northwest.
6/23/1972	15.49	29,000	Hurricane Agnes made landfall again over southeastern New York on June 22 and moved westward into Pennsylvania. Rainfall totals from June 20-25 range from 2-3 inches in the Upper Potomac to 18 inches near Shamokin, Pennsylvania.
9/17/1999	15.43	28,700	Hurricane Floyd produced heavy rainfall from Virginia to Long Island. Rainfall totals ranged from 12 inches in Delaware to 16.57 inches in Newport News, Virginia. Two dams burst in New Jersey and several flood records were broken in New Jersey.
8/19/1955	13.89	17,800	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.

Drainage Area: 314 sq mi

Tropical information before 1940 is limited.

County of Gage: New Castle

Gage Datum: 67.17 ft MSL

Brandywine Basin

County of Forecast Point: New Castle

Created 8/7/2016 2:11:37 PM

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/29/2004	13.52	20,800	Hurricane Jeanne stalled a cold front and supplied the front with much-needed moisture. As a result, 1-day rainfall totals ranged from 1 - 6 inches throughout the Mid-Atlantic region.
9/15/2003	12.73	17,900	The remnants of Tropical Storm Henri produced generally an inch or less of rainfall throughout the region. A small stretch of the region ranged from 3.00 inches in Northern Maryland and Delaware to over 5.00 inches in Eastern Pennsylvania.
8/13/1955	11.76	12,600	Hurricane Connie produced 4 to 8 inches of rainfall across the Mid-Atlantic region, with locally heavier amounts exceeding 10 inches.
9/13/1960	11.42	15,600	Hurricane Donna made its second landfall near Wilmington, NC as a Category 3 hurricane. It produced 6 to 8 inches of rain in Eastern Virginia and caused 3 fatalities.

Drainage Area: 314 sq mi
Gage Datum: 67.17 ft MSL

Tropical information before 1940 is limited.
Brandywine Basin

County of Gage: New Castle
County of Forecast Point: New Castle